


HWCCD gratefully acknowledges the [CSUS SEE](#) program as the source for this valuable information.



Mission Statement: Established in 1986, the CSUS Science Educational Equity (SEE) Program is a comprehensive academic support program for students who face social, economic, and educational barriers to careers in the health professions, science research, and science teaching. The goals of the SEE program are to improve access to quality of health care in underserved communities and to foster inclusion of diverse perspectives in science research and science education that are attentive to the needs of our pluralistic society.

COURSE PREREQUISITES FOR HEALTH PROFESSIONAL SCHOOLS:

	<u>ALLOPATHIC OR OSTEOPATHIC MEDICINE</u>	<u>DENTISTRY</u>	<u>OPTOMETRY</u>	<u>PHYSICIAN ASSISTANT</u>	<u>PHARMACY</u>
Intro. Biology	Most specify at least 8 semester hours; others specify 1 year	Most specify at least 8 semester units; others specify 1 year	8 semester hours	Although a few specify 1 year of Intro. Biology, many do not	8-12 semester hours
Inorganic Chemistry (General Chemistry)	8 semester hours	Most specify 8 semester units; others 1 year	4-8 semester hours (varies)	Highly variable; some require only 1 semester; some require 1 year	8 semester hours
Organic Chemistry	8 semester hours; most specify that lab must be included	Most specify 8 semester hours with lab; some (e.g., UCSF and UCLA, require 4-6 semester hours with lab)	4-8 semester hours (varies)	Not specified as a separate requirement by most schools (but some include as a topic in a 1 year course)	8 semester hours with lab
Biochemistry	Some require or strongly recommend 1 semester (3 sem. Hours)	0-3 semester hours; most require at least one course.	3-4 semester hours (varies)	Most specify or strongly recommend 1 upper division course	Most require 3 semester hrs. (Some require none, some 6--highly variable).
Physics	8 semester hours	8 semester hours	8 semester hours	Most in CA do not require physics; but some CA and most out of state require 1 year of physics	8 semester hours

(Continued from previous page)	<u>ALLOPATHIC OR OSTEOPATHIC MEDICINE</u>	<u>DENTISTRY</u>	<u>OPTOMETRY</u>	<u>PHYSICIAN ASSISTANT</u>	<u>PHARMACY</u>
Calculus	Most require or strongly recommend 1 year of Calculus	Most CA Schools do not require Calculus; most out of state schools require 1 year of Calculus	Most require at least 1 semester (3-4 semester hrs.)	Intermediate Algebra level is required by most CA schools; Calculus is recommended.	Most require 1 year (6-8 units)
Statistics	A few of state schools require 1 semester of statistics	Some CA schools and most out of state schools require 1 semester of Statistics	Most require or strongly recommend 1 semester (3 semester hrs.)	Some (e.g. USC) require 1 semester of Statistics	A few require 1 semester (3 sem. hrs.)
English	All require at least 6 semester hours; some also require an additional Literature course	All require at least 6 semester hours; some specify that one course must be Literature	All require at least 6 semester hours; some require 9 hrs.	Most require at least 6 semester units;	All require at least 6 semester hours; some also require a speech class
Psychology	Most specify 3 semester hours	Most specify 3 sem. hrs.	3 semester hours	Most require one course in Psychology	3 semester hours
Other Science	Some (e.g. USC) require or strongly recommend a course in Molecular Biology or Genetics; and a few recommend a course in Embryology	Anatomy and Systemic Physiology strongly recommended or required by most; some require Microbiology, Molecular Biology or Genetics	Microbiology; most also require Anatomy and Systemic Physiology	Anatomy, Systemic Physiology, and Microbiology (all with labs) are required by most schools. Most also require additional Biology electives and strongly recommended Cell/Molecular Biology or Genetics.	Microbiology; some require Molecular Biology or Genetics; some require Systemic Physiology
Other Humanities	6-12 semester hours; Some (especially in CA) recommend Spanish or Asian Language	6-12 semester hours	6-12 semester hours (varies)	6-12 semester hours; courses in language are encouraged	
Other social Science	6-12 semester hours; some specify a course in Cultural Diversity and Sociology are strongly recommended	6-12 semester hours; some specify a course in Sociology or Cultural Anthropology	6-12 semester hours (varies)	6-12 semester hours; courses in Sociology, Multicultural Studies; and Cultural Anthropology are strongly recommended	One course in Economic is often required; some also require one course in Cultural Anthropology is often specified